

31 DEC 1932

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No 101565.

R.P. C.11.

# Lloyd's Register of Shipping.

## SURVEYS FOR FREEBOARD.

*now named "FIRST" 8/2/40*

Computation of Freeboard for Steamer, ~~Sailing Ship, Tanker~~  
having **RAISED QUARTERDECK. BRIDGE**  
**& FORECASTLE**  
(Type of Superstructures.)

Port of Survey **LIVERPOOL**Date of Survey **Dec. 1932.**Name of Surveyor **J. Steina**Particulars of Classification **\* 100 A1****S.S. Liv. 2nd No. 3-11.30**

Ship's Name

Nationality and Port of Registry

Official Number

Gross Tonnage

Date of Build

**ADMIRAL****BRITISH**  
**Liverpool (19/1/40)****120914****243****1906-1**Moulded Dimensions: Length **121.2** Breadth **22** Depth **10'-6"** <sup>8.92</sup> tonsMoulded displacement at moulded draught = 85 per cent. of moulded depth **488**Coefficient of fineness for use with Tables **718**Depth for Freeboard (D) **10.50**

Depth correction

(a) Where D is greater than Table depth

(D - Table depth) R =

**(10.53 - 8.08) × .932 = + 2.28**

(b) Where D is less than Table depth (if allowed)

(Table depth - D) R =

If restricted by superstructures

Round of Beam correction

Moulded Breadth (B) **22**Standard Round of Beam =  $\frac{B \times 12}{50} = 5.28$ Ship's Round of Beam = **5.2**

Difference

Restricted to

Correction =  $\frac{\text{Diff}}{4} \times (1 - \frac{S_1}{L}) = \frac{.22}{4} \times .39 = .02$ 

Moulded depth ... **10'-6"**  
Stringer plate ... **3.5**  
Sheathing on exposed deck  
 $T \left( \frac{L-S}{L} \right) =$

Depth for Freeboard (D) = **10.53**

## DEDUCTION FOR SUPERSTRUCTURES.

	Mean Covered Length (S)	Equivalent Enclosed Length (S <sub>1</sub> )	Height	Height Correction	Effective Length (E)
Poop enclosed ...	✓				
" overhang ...			<b>3.50</b>		
R.Q.D. enclosed ...	<b>45.5</b>	<b>45.50</b> ✓	<b>3.5</b>		<b>45.50</b> ✓
" overhang ...			<b>6.70</b>		
Bridge enclosed ...	<b>7.0</b>	<b>7.00</b> ✓	<b>6.8</b>		<b>7.00</b> ✓
" overhang aft ...					
" overhang forward ...			<b>5.70</b>		
F'cle enclosed <i>eggs</i> ...	<b>21.43</b>	<b>21.43</b> ✓	<b>5.7</b>	<b>5.95</b> ✓	<b>21.25</b> ✓
" overhang ...			<b>4.25</b>		
Trunk aft ...	✓				
" forward ...	✓				
Tonnage opening aft ...	✓				
" forward ...	✓				
Total ...	<b>73.93</b>	<b>73.93</b> ✓			<b>73.45</b> ✓

Standard Height of Superstructure **6.00**" " R.Q.D. **3.141**Deduction for complete superstructure **18.12**Percentage covered  $\frac{S}{L} = 61.00$  ✓" "  $\frac{S_1}{L} = 61.00$  ✓" "  $\frac{E}{L} = 60.85$  ✓

Percentage from Table, Line A.

(corrected for absence of forecastle (if required))

Percentage from Table, Line B.

(corrected for absence of forecastle (if required))

Interpolation for bridge less than 2L (if required)

Deduction = **18.12 × .4744 = - 8.59**

## SHEER CORRECTION.

Station	Standard Ordinate	S	Product	Actual Ordinate	Effective Ordinate	S	Product
A.P. ...	<b>22.12</b>	1	<b>22.12</b>	<b>24</b>	<b>24.00</b>	1	<b>24.00</b>
$\frac{1}{2}$ L from A.P. ...	<b>9.84</b>	4	<b>39.36</b>	<b>9</b>	<b>9.08</b>	4	<b>36.32</b>
$\frac{2}{3}$ L " ...	<b>2.48</b>	2	<b>4.96</b>	<b>2.26</b>	<b>2.27</b>	2	<b>4.54</b>
Amidships ...		4				4	
$\frac{3}{4}$ L from F.P. ...	<b>4.86</b>	2	<b>9.72</b>	<b>5.32</b>	<b>5.33</b>	2	<b>10.64</b>
$\frac{1}{2}$ L " ...	<b>19.68</b>	4	<b>78.72</b>	<b>21.33</b>	<b>21.33</b>	4	<b>85.32</b>
F.P. ...	<b>44.24</b>	1	<b>44.24</b>	<b>43</b>	<b>43.00</b>	1	<b>43.00</b>
Total ...			<b>199.02</b>				<b>203.82</b>

Correction =  $\frac{\text{Difference between sums of products}}{18} \left( .75 - \frac{S}{2L} \right) =$ 

If limited on account of midship superstructure.

Mean actual sheer aft =  $\frac{58.05}{58.93} = 98.5\%$ Mean standard sheer aft = **6.00**Mean actual sheer forward = **6.00**

Mean standard sheer forward

Length of enclosed superstructure forward of amidships =

" " aft of " =

Standard	Actual
<b>22.12</b>	<b>24.00</b>
<b>9.84</b>	<b>9.08</b>
<b>2.48</b>	<b>2.27</b>
<b>58.93</b>	<b>58.05</b>

98.5

Deduction for Tropical Freeboard.

Addition for Winter and Winter North Atlantic Freeboard.

Depth to Freeboard Deck = **10.53**Summer freeboard = **5.0**Moulded draught (d) = **10.03**

Deduction for Tropical freeboard and addition for

Winter freeboard =  $\frac{d}{4}$  inches = **2.51 = 2.5**Addition for Winter North Atlantic Freeboard (if required) = **2**

Deduction for Fresh Water.

Displacement in salt water at summer load water line

 $\Delta =$ 

Tons per inch immersion at summer load water line

 $T =$ Deduction =  $\frac{\Delta}{40T}$  inches $=$ 

TABULAR FREEBOARD corrected for Flush Deck (if required)

Correction for coefficient

 $\frac{718 + .68}{1.36} = \frac{1398}{1.36}$ Depth Correction ... **2.28**Deduction for superstructures ... **8.59**Sheer correction ... **.12**Round of Beam correction ... **.02**

Correction for Thickness of Deck amidships

Other corrections, scantlings, etc. ...

Summer Freeboard = **6.01**

SUMMER FREEBOARD amidships from Centre of Disc to top of Deck Line, Wood, Steel, Deck:—

Tropical Fresh Water Line above Centre of Disc ... **5"** ...  
Fresh Water Line " " ... **2.2** ...  
Tropical Line " " ... **2.2** ...  
Winter Line below " " ... **2.2** ...  
Winter North Atlantic Line " " ... **2.2** ...

Tropical Fresh Water Freeboard ... **0'-6"** ...  
Fresh Water " " ... **0'-3.2** ...  
Tropical " " ... **0'-3.2** ...  
Winter " " ... **0'-8.2** ...  
Winter North Atlantic " " ... **0'-10.2** ...



# PARTICULARS OF PROTECTION TO OPENINGS, ETC.

HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS									
Description of Hatchway		ONE ONLY							
Dimensions of Hatchway		34'-10" x 13'-2"							
COAMINGS	Height above Deck	36"							
	Thickness	44							
	Sides	44							
	Ends	44							
	Stiffeners	7" x 3" x 4 B.A.							
	Brackets, Stays	7" x 44 B.P. three							
HATCH BEAMS	Number	3							
	Spacing	max. 9'-0"							
	Scantling and Sketch	7/8 45" x 44							
		OLD. 3 x 3 x 38 1/2 15							
	Bearing Surface	3"							
FORE AND AFTERS	Number	3							
	Spacing	3'-3"							
	Unsupported Lengths	max 9'-0"							
	Scantling* and Sketch	7" x 6" centre 5" x 5" side							
	Bearing Surface	3 1/2"							
HATCH COVERS	Material	W.P.							
	Thickness	2 1/2"							
	How fitted	Att.							
	Bearing Surface	2"							
Spacing of Cleats		24"							
Number of Tarpaulins		2							
<p>Are wood fore and afters steel shod at all bearing surfaces? Yes.</p> <p>Are battens and wedges efficient and in good condition? Yes.</p> <p>Are tarpaulins in good condition and in accordance with rule requirements? Yes.</p> <p>Are lashings provided in accordance with rule requirements? Yes.</p>									

Particulars of fiddley, funnel and ventilator coamings:—

Fiddley gratings ~~not~~ fitted with covers. *permanently attached*

Funnel & Ventilator coamings in good condition.

E.R. Sky light hinges require overhauling.

Particulars of Flush Bunker Scuttles:—

NONE

Particulars of Companionways:—

To Engine accommodation aft.

6'-6" x 2'-4" x 4'-4" x 4" with 4'-3 1/2" x 1'-10" ~~steel~~ door. 24" sill secured with padlock from outside.

Particulars of Ventilators in exposed positions on freeboard and superstructure decks:—

1st L Frd Well. 3'-0" coaming 9" Dia 3/16" T 1/2 Hold.

fitted with wood plugs & canvas covers.

Particulars of Air Pipes in exposed positions on freeboard, raised quarter, or superstructure decks:—

1<sup>st</sup> 5" high 2" Dia 1/2 Frd peak, *Canvas cover provided*

Particulars of Gangway Cargo and Coaling Ports:—

NONE



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## Particulars of Stoppers and Sanitary Discharge Pipes:—

Scupper marked "S" on sketch.

Sanitary discharge above foreboard deck.

## Particulars of Side Scuttles:—

7" Dia with efficient deadlight in forecabin ✓

## Particulars of Guard Rails:—

Forecastle 3'-0" high 4'-9" between stanchions, 2 rods. ✓

## Particulars of Gangways, Lifelines, etc.:—

None.

Lifelines & ringbolts provided available for use in any part of the ship which might have to be used by the crew in the regular working of the ship

## Particulars of Freeing Arrangements.

	Length of Bulwark	Height of Bulwark	Size of Freeing Ports	Number each side	Area each side	Rule area each side
Port Well R.Q.D. ...	45'-6"	3'-0"	2'-6" x 1'-4" 1'-11" x 1'-4"	2 } 2.	11.8 <del>5.1</del>	11.05 ✓ <del>11.5</del>
Forward Well ...	43'-7 1/2" 42'-8"	3'-8"	2'-7" x 1'-5 1/2"	3.	11.3. ✓	10.9 ✓ 11.0.

State position of each freeing port ... } After Well: R.Q.D. 1 AP — 10'-5" — 7'-1" — 1 Bay. 4" above deck edge  
 and A. position and height above deck edge) } Forward Well: 8' above deck Bay 11'-8" — 9'-3" — 9'-8" — Fore. ✓  
 State whether the freeing ports are fitted with shutters, bars, or rails, and give particulars of such:—

Additional area where sheer is less than standard.

## Particulars of Superstructures, Trunks, Casings, Deckhouses.

	Coaming	Plating	Stiffeners	Spacing	End Attachments of Stiffeners	Size of Openings	Height of Sills	Height of Casings
Poop Bulkhead ...	✓							
Raised Quarter Deck Bulkhead ...	—	5/16" ✓	Wood sheathed	—	—	None. ✓	✓	3'-5"
Bridge, After Bulkhead ...	—	5/16" ✓	do.	24" ✓	—	None. ✓	✓	3'-3"
Bridge, Forward Bulkhead ...	—	5/16" ✓	do.	24" ✓	—	None ✓	✓	6'-8"
Forecastle Bulkhead ...	—	1/4" ✓	None ✓	✓	None ✓	3'-8" x 1'-11"	14" ✓	5'-8"
Trunk, Aft ...	✓							
Trunk, Forward ...	✓							
Exposed Machinery Casings on Foreboard or Raised Quarter Decks ...	✓	3.	2 1/2 x 2 1/2 x 25.	28" ✓	12" x 12" bracket	4'-2 1/2 x 2'-0"	24" ✓	6'-6"
Exposed Machinery Casings on Superstructure Decks ...	✓							
Machinery Casings within Superstructures not fitted with Class I Closing Appliances ...	✓							
Deckhouses on Flush Deck Ships ...	✓							

## Particulars of Closing Appliances (state if capable of being manipulated from both sides).

Poop Bulkhead ...	✓
Raised Quarter Deck Bulkhead ...	— } no openings
Bridge, After Bulkhead ...	— } no openings
Bridge, Forward Bulkhead ...	— } no openings
Forecastle Bulkhead ...	Wood door.
Exposed Machinery Casings on Foreboard or Raised Quarter Decks ...	Steel doors fitted with bolts on outside only ✓
Exposed Machinery Casings on Superstructure Decks ...	✓
Machinery Casings within Superstructures not fitted with Class I Closing Appliances ...	✓
Deckhouses on Flush Deck Ships ...	✓



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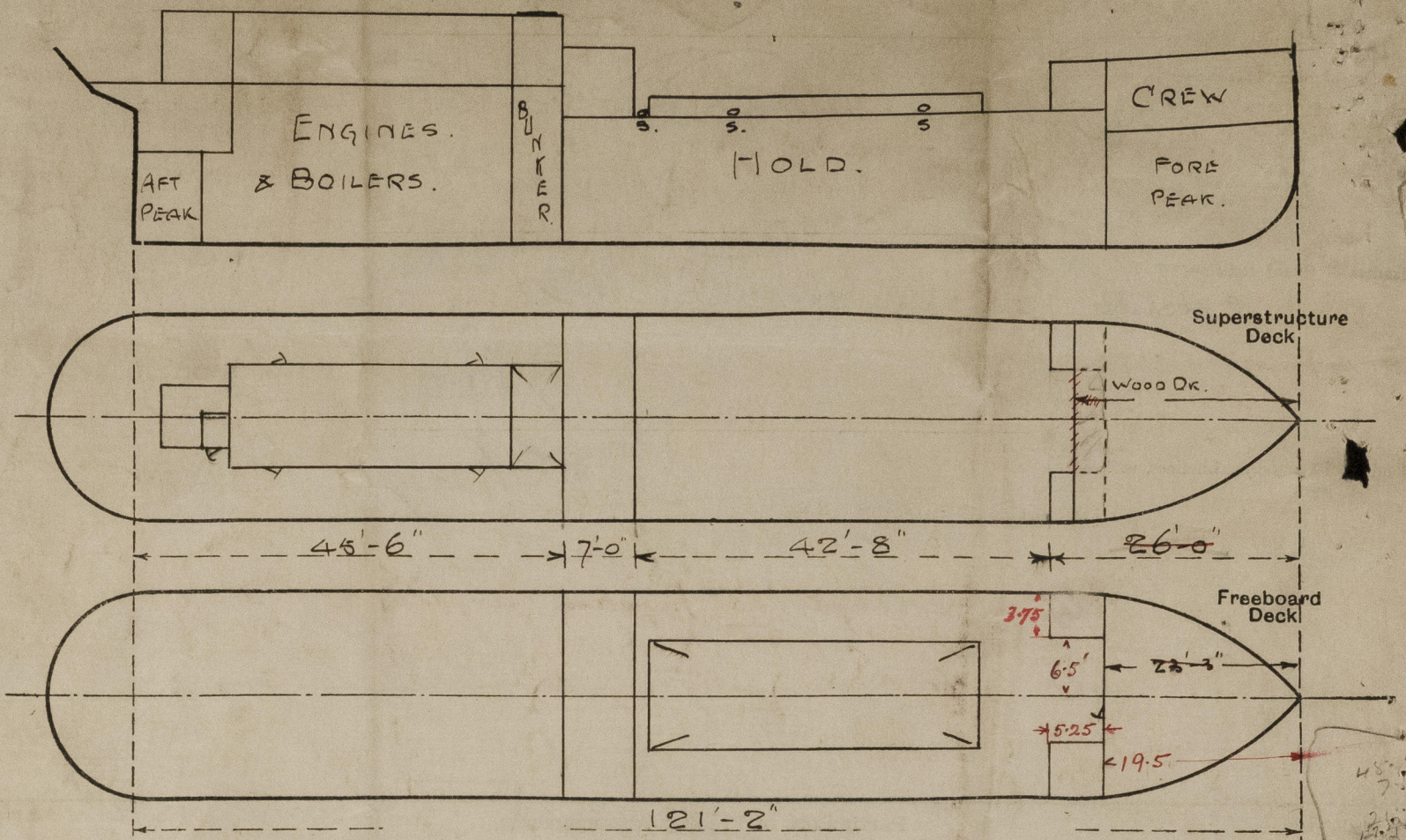
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Admiral

Superstructure bulkheads, trunks, deckhouses, casings, cargo and coaling hatchways, extent and thickness of sheathing on the freeboard deck, gangway, cargo and coaling ports, and any other openings, etc., which would affect the seaworthiness of the ship are to be shown on the following sketches:—



forecastle = 19.5  
+ side lower 5.25 x 3.75 = 1.93  
10.25  
21.43  
out

State any special features in the construction of the ship:—

Bunker hatch 5'-0" x 12'-1 1/2" 3" L Coaming W.P. hatch 2 1/2" F. fitted F.A. 2" bearing cleats 27" One Vapouring - *hattering*

ht Δ 0.45. n 9.00  
7.95 BK ✓ = 425' tons  
1.05 x 12 x 5.12 = 65' ✓  
490 tons.  
- 2 ✓  
488 tons net.  
85% = 8.92 ✓  
+ Kd .08 ✓  
9.00 ✓  
TP7 = 512

out

Builder's name and yard number W. WALKER. MARYPORT. N° 90.

Names of sister ships

Owners MONROE BROS.

Fee £ 3 : 8 : -

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